



SolarEdge Wireless Communication ZigBee Kit

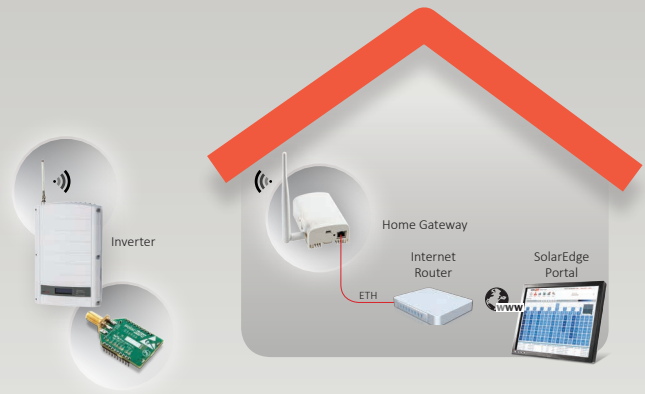
SE1000-ZBGW-K5 / SE1000-ZB05-SLV / SE1000-ZBRPT05



COMMUNICATION

Simple Wireless Connectivity

- Connects SolarEdge inverters wirelessly to an Internet router
- ZigBee unit installed within the inverter enclosure for outdoor resilience
- Antenna external to inverter for wider range
- Communication to Internet via Ethernet
- The home gateway supports up to 15 SolarEdge devices (e.g. inverters) on the wireless network
- For Device Control use SE1000-ZB06-MOD





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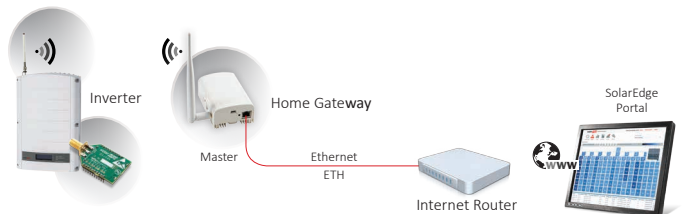
SE1000-ZBGW-K5 / SE1000-ZB05-SLV / SE1000-ZBRPT05

FUNCTIONAL		UNIT
Number of devices that can be monitored	1-15	
Device Control Support	Use SE1000-ZB06-MOD*	
RF PERFORMANCE		
Transmit power	11.8	dBm
Receiver Sensitivity	-102	dBm
EIRP with Antenna	16.8	dBm
Maximum Emitted Power	≤ 20	dBm
Antenna gain	5	dBi
Operating Frequency Range	2.4-2.5	GHz
Frequency Band	2400 to 2483	MHz
Outdoor (LOS) range	400 / 1300	m / ft
Indoor range**	50 / 160	m / ft
HOME GATEWAY / REPEATER		
Antenna	Included	
Power supply	Included, 100-240VAC	
Operating temperature	-20 to +60 / -4 to +140	°C / °F
Dimensions (H x W x D)	115 x 70 x 50 / 4.5 x 2.8 x 2.0	mm / in
Relative humidity (non condensing)	0 - 80	%
Ingress protection	IP20 (Indoor)	
ZIGBEE SLAVE KIT		
Antenna, mounting bracket and RF cable	Included	
Dimensions (H x W x D)	22.0 x 32.9 x 4.1 / 0.9 x 1.3 x 0.2	mm / in
Ingress protection	IP65 (IP20 / indoor rated when installed inside Control and Communication Gateway or Firefighter Gateway)	
CERTIFICATION		
Safety	IEC60950, UL60950	
EMC Approvals	ETSI(Europe), C-Tick(Australia), Telec(Japan)	

*<http://www.solaredge.com/sites/default/files/se-device-control-zigbee-module-datasheet.pdf>
 **Approximate values, may differ depending on specific installation conditions

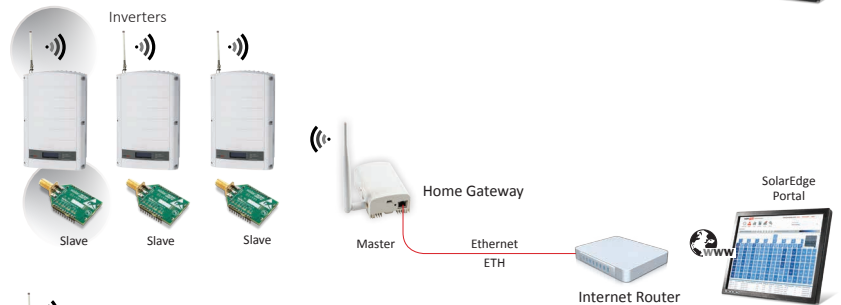
Scenario A: Basic Kit

Part Number: SE1000-ZBGW-K5
 - 1 x SolarEdge home gateway
 - 1 x ZigBee slave kit
 for single SolarEdge device



Scenario B: Adding additional slave units

Part Number: SE1000-ZB05-SLV
 - 1x ZigBee slave kit
 for connecting multiple devices to the same home gateway



Scenario C: Extending range using a repeater

Part Number: SE1000-ZBRPT05
 - 1 x SolarEdge ZigBee Repeater
 for extending the ZigBee range

